

ABSTRACT

A ladder circuit editing system in accordance with the present invention inputs and edits a sequence program for a program controller in the form of a ladder diagram. The ladder circuit editing system has an unavailable area in which at least one circuit pattern that has been input is stored, and an available area in which a new circuit pattern is stored, and successively inputs circuit patterns from the available area. The ladder circuit editing system includes a circuit pattern extracting means, a display means, and a copying means. The circuit pattern extracting means compares a circuit element contained in a circuit pattern being stored in the available area with a circuit element contained in a circuit pattern already stored in the unavailable area, and extracts a circuit pattern containing a circuit element that agrees with a stored one. The display means displays the circuit pattern extracted by the circuit pattern extracting means on an input screen. The copying means copies the circuit pattern extracted by the circuit pattern extracting means into the available area according to an operator's entry.